

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference P047850W0	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/GB2008/002578	International filing date (day/month/year) 28/07/2008	(Earliest) Priority Date (day/month/year) 08/08/2007
Applicant CILAG GMBH INTERNATIONAL		

This International search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International search report consists of a total of 5 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of:

☒ the international application in the language in which it was filed
☐ a translation of the international application into _____, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b))

- b. ☐ This international search report has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43.6bis(a)).
 c. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box No. II)

3. ☐ **Unity of invention is lacking** (see Box No. III)

4. With regard to the **title**,

☐ the text is approved as submitted by the applicant
☒ the text has been established by this Authority to read as follows:

INJECTION DEVICE WITH LOCKING MECHANISM FOR SYRINGE CARRIER

5. With regard to the **abstract**,

☐ the text is approved as submitted by the applicant
☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority

6. With regard to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. 3
☒ as suggested by the applicant
☐ as selected by this Authority, because the applicant failed to suggest a figure
☐ as selected by this Authority, because this figure better characterizes the invention
 b. ☐ none of the figures is to be published with the abstract

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International application No.

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Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

An injection device comprises a locking mechanism (171-173) between a syringe carrier (127) and an end cap (111) of the injection device. The cap is formed in such a way to inhibit movement of the syringe carrier and syringe towards an exit aperture of the injection device when the drive has not been removed from the injection device. On removal of the cap, the locking mechanism is no longer so engaged and the syringe and syringe carrier can move towards the exit capture. This assists in preventing damage to the syringe prior to actuation of the injection device.

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A. CLASSIFICATION OF SUBJECT MATTER

INV. A61M5/20

ADD. A61M5/32

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

A61M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03/013632 A (OWEN MUMFORD LTD [GB]; MARSHALL JEREMY [GB]; HANSEN NICK [GB]) 20 February 2003 (2003-02-20) page 4, line 12 - page 5, line 20; figures 1-10	1-10
X	WO 2007/036676 A (CILAG GMBH INTERNAT [CH]; HABESHAW ROSIE LOUISE [GB]; JOHNSTON DAVID M) 5 April 2007 (2007-04-05) page 8, lines 3-26; figures 1-8	1-10
X	US 2005/203466 A1 (HOMMANN EDGAR [CH] ET AL) 15 September 2005 (2005-09-15) paragraphs [0031], [0032], [0037] - [0039]; figures 1-11	1

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☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

I later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

24 September 2008

Date of mailing of the international search report

10/10/2008

Name and mailing address of the ISA/

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 586 341 A (TECPHARMA LICENSING AG [CH]) 19 October 2005 (2005-10-19) paragraphs [0051], [0052]; figures 3-6c -----	1-10
P,X	WO 2008/075033 A (MEDICAL HOUSE PLC [GB]; STAMP KEVIN [GB]; CLEATHERO IAN CHARLES [GB]) 26 June 2008 (2008-06-26) page 8, line 6 - page 10, line 3; figures 1-8 -----	1-7,10

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 03013632	A	20-02-2003	DE 60223045 T2 EP 1418967 A2 JP 2004537376 T US 2004267199 A1	21-02-2008 19-05-2004 16-12-2004 30-12-2004
WO 2007036676	A	05-04-2007	AU 2005336826 A1 CA 2623962 A1 EP 1928523 A1	05-04-2007 05-04-2007 11-06-2008
US 2005203466	A1	15-09-2005	CH 696421 A5 DE 102004060146 A1 JP 2005177503 A US 2008015520 A1	15-06-2007 04-08-2005 07-07-2005 17-01-2008
EP 1586341	A	19-10-2005	EP 1586342 A2	19-10-2005
WO 2008075033	A	26-06-2008	GB 2445090 A	25-06-2008